

In 2020,
85% of customer-company
relationships will be made
without human mediation

Gartner Co.





FIONA is a global online store where you can share and create your sparks

A **Spark** is your creation. 3D designs, TTS modules, ASR, etc...



Intelligent and Interactive **Virtual Avatars** are made of these Sparks

The **final goal** is to create the Artificial Mind and reach the Singularity



sparking together

1. What is FIONA?

2. How it works?

3. FIONA in the real world

4. Why you should be in FIONA?

1. What is FIONA?



A Virtual Avatar is a 3D animated character with different modules and designs put together to carry out an specific function. These modules and designs are called Sparks.

So a Virtual Avatar is the result of combining a set of Sparks that define its appearance, behavior, personality...

TTS, ASR, people identification, emotions recognizers, dialogue managers are an example of Sparks.

FIONA (Framework for Interactive-services Over Natural-conversational Agents) is a global online platform to create Intelligent and Interactive Virtual Avatar from Sparks.

It has 3 components:

- ☀ **Sparklink Zone** Create your own Sparks or upload the one's you developed.
- ✳ **SparkStore** Share, sell and buy Sparks.
- ☀ **Sparkrender Zone** Your Virtual Avatars will run in FIONA's platform.

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2. How FIONA works?

A **Spark** encapsulates any possible functionality! Knowledge representation, prediction on human behavior, statistical analysis of interaction results will enhance the services provided by the **Virtual Avatar**

Use your research knowledge to **solve real life problems** and test your thesis in an environment which enriches your validation by using the Sparks of the community!

The screenshot displays the FIONA AVATAR BUILDER application. The interface is divided into several sections:

- Users:** Shows the current user as 'User' and a 'Logout' button.
- Shape Repository:** A sidebar containing a tree view of components and connectors.
 - Avatar Builder Components:** Scene3DComponent, LocalRendererComponent, WindowComponent, and UpdaterComponent.
 - Connectors:** Provided Interfaces including IRenderizable (Provided), IWindow (Provided), IAsyncFatalErrorHandler (Provided), IUpdatable (Provided), and IThreadProc (Provided). Required Interfaces are also listed.
 - Process Information:** A section that is currently unable to retrieve process information.
- UML Class Diagram:** The main workspace shows a diagram with classes: SCENE3DCOMPONENT, IWINDOW, LOCALRENDERERCOMPONENT, WINDOWCOMPONENT, IASYNCFATALERRORHANDLER, and UPDATERCOMPONENT. Relationships include inheritance (SCENE3DCOMPONENT inherits from WINDOWCOMPONENT), associations, and dependencies.
- Play Avatar:** A button to view the rendered avatar.
- 3D Avatar:** A rendered 3D female avatar with blonde hair, wearing a blue top, displayed against a black background.
- Bottom Bar:** File format options: ERDF, JSON, PDF, PNG, BPMN2, SVG.

2.

How FIONA works?



Creating Sparks

Create and upload your Spark



Sharing Sparks

Share and sell your Spark in the Store or buy other Sparks



Living Avatars

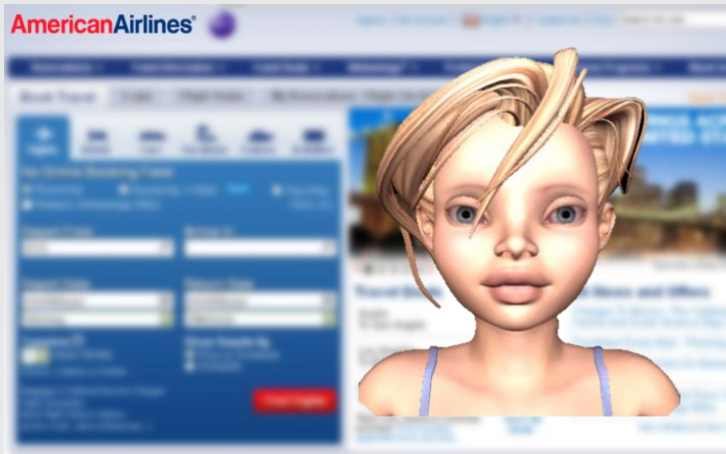
Someone buys your Spark
Now, your spark is on someone's webpage

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3. FIONA in the real world

I want an Avatar for my web

I will do it



4. Why you should be in FIONA?



Faster Advance

Working together we allow faster progress in Human Computer Interaction research.



Humanization of Technology

FIONA is not something that stay in the lab. Its goal is the approach of the latest technological advances to society directly.



Make the Difference

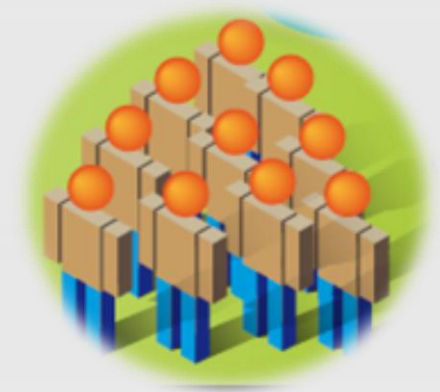
Your sparks are part of a whole. You will contribute in something that can reach the true Artificial Intelligence.

Spark with us!

Get involved

in something bigger

than anything you've ever seen before





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